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SEP 6 - 1963

C & R-PREP

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah Agricultural Experiment Station,
U.S. National Park Service, U.S. Geological Survey; and other
Federal, State, and private organizations.

AS OF
MAR. 1, 1963

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANDS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

MARCH 1, 1963

Report prepared by

GREGORY L. PEARSON, Snow Survey Supervisor

and

GARRY DINSDALE, Asst. Snow Survey Supervisor

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
222 SOUTH WEST TEMPLE
SALT LAKE CITY 1, UTAH

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DIRECTOR
UTAH AGRICULTURAL
EXPERIMENT STATION
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PROSPECTIVE WATER SUPPLIES

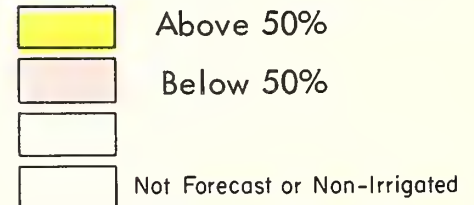
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

March 1, 1963

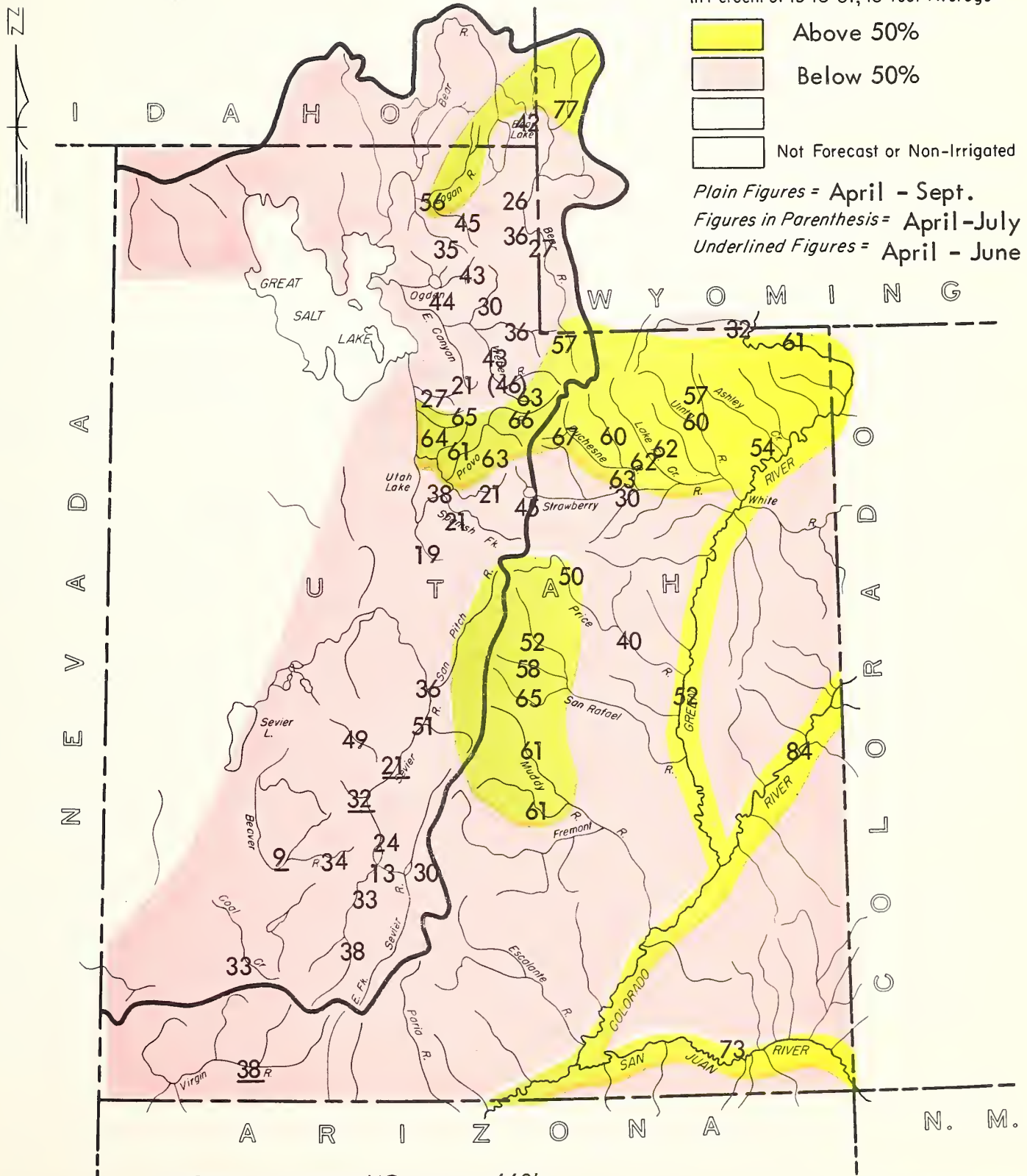
Approximate Date



FORECAST STREAM FLOW
in Percent of 1943-57, 15 Year Average



Plain Figures = April - Sept.
Figures in Parenthesis = April-July
Underlined Figures = April - June



Colorado Nr. Grand Canyon = 66%

WATER SUPPLY OUTLOOK

as of

MARCH 1, 1963

* Poor to critically low streamflow this spring and *
* summer is now expected from all streams in Utah. *
* Most forecasts range between 20% and 55% of average. *
* Reservoir storage on the Sevier and Beaver rivers is *
* 48% average, while in Utah Lake it is 45% average, *
* and in Strawberry reservoir 39%. In the remaining *
* reservoirs of northern and central Utah, storage is *
* 112% of average.

Snow cover is now so light on many streams - particularly the low and intermediate elevation watersheds - that they can be expected to show little or no rise when the snows melt this spring.

The streams with the best prospects - where forecasts range from 60% to 66% - are the Cottonwood Creeks near Salt Lake, the American Fork, upper Weber and Provo rivers and the streams on the northern side of the Uintah Basin from the Duchesne river to the Uinta river. Central Utah streams which are also included in this forecast range are Ferron Creek, Muddy river and the streams from Mayfield to Ephraim.

The outlook is extremely poor in southern Utah for the water users of the Sevier, Virgin and Beaver rivers. Streamflow forecasts here range from 9% of average inflow to Rockyford reservoir near Minersville to 38% on the Virgin river and the Sevier river at Hatch. Streamflow is expected to be about two thirds to three fourths of that measured in 1960 and 1961, both of which were dry years.

Even if we have average snowfall during March, the April 1st snowpack on several of the most important snow courses in this southern area will be the lowest it has ever been since records began in 1927. One example of this is the Webster Flat course a few miles south of Cedar Breaks National Monument. It now has 9 inches of snow with 2.2 inches water. If it picks up the average amount of water during March, there will only be 4.7 inches water for the April 1st survey. The lowest previous April 1st reading occurred in 1953 when 6.9 inches water were recorded. The average April 1st reading is 15.6 inches.

In Utah County, the April-September inflow to Utah Lake is expected to be 38% of average. This will be about one fifth more than in 1961. Storage in Utah Lake on February 28 was 277,500 acre feet. This is 18,600 acre feet less than two years ago, so that the total water supply outlook for users below the Lake is about comparable to what it was then. Southern tributaries to Utah Lake - the Spanish Fork river, Hobbie Creek near Springville and Payson Creek are all forecast at about 20%.



This is essentially the same as their 1961 flow. Inflow from the Provo and American Fork rivers are forecast at 63% and 61%, respectively. This will be about twice the flow of 1961.

Streams of the Uintah Basin and those near Manila are forecast between 54% and 63%, exceptions being the Strawberry river at Duchesne and Henry's Fork near Linwood, where about 30% is expected. All streams from the Uinta river and eastward have prospects of 10% to 20% less water next summer than was available in 1960 and 1961. From Yellowstone Creek westward to the Duchesne river streamflow is expected to be about comparable to that of 1960 and 1961.

The outlook varies from 40% to near 60% for the Price river, Huntington and Cottonwood Creeks, the northern tributaries of the San Pitch river, the Fremont river and the streams near Moab, Monticello and Blanding.

Following the storm the last of January, the warm weather during the early part of February continued to remove the low and intermediate elevation snowpack. This, coupled with the dry weather of the past month caused forecasts for some of the lower watersheds to drop as much as 30% to 40% below that expected on February 1.

In northern Utah the expected flow from the lower elevation watersheds varies from about 20% to 35%. Included among these are Parley's Creek near Salt Lake, East Canyon Creek near Morgan, Chalk Creek near Coalville, Lost Creek near Croydon, streams near Woodruff and Randolph and the Little Bear river in Cache Valley.

Inflow to Pineview reservoir on the Ogden river is expected to be 44% of average, while for the higher streams in Cache Valley and for the upper Bear south of Evanston, Wyoming the outlook varies from 45% to 60%.

On the Colorado river and its main tributaries in Utah, forecasts range from a low of 52% for the Green river at Green River, Utah to a high of 84% on the Colorado river near Cisco.



UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
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GREAT BASIN

BEAR RIVER SYSTEM

Bear nr Ut-Wyo. State Line	70	Apr-Sept	142	123	57
Bear nr Woodruff	36	Apr-Sept	134	133	27
Woodruff Crk nr Woodruff, Ut.	7	Apr-Sept	- -	19.4*	36
Big Crk nr Randolph, Ut.	2.5	Apr-Sept	- -	9.7*	26
Bear nr Randolph	10	Apr-Sept	104	115	9
Smith's Fork nr Border, Wyo.	92	Apr-Sept	142	119	77
Bear at Harer, Idaho	125	Apr-Sept	- -	299	42
Little Bear nr Paradise	16	Apr-Sept	55	46	35
Logan nr Logan (1)	80	Apr-Sept	140	143	56
Blacksmith Fork nr Hyrum (2)	30	Apr-Sept	64	67	45

WEBER-OGDEN RIVERS

Weber nr Oakley	67	Apr-June	119	107	63
	85	Apr-Sept	148	134	63
Wanship Reservoir Inflow(3)	60	Apr-July	- -	130 *	46
Weber nr Coalville (4)	62	Apr-Sept	155	143	43
Chalk Crk at Coalville	15	Apr-Sept	33	42	36
Lost Crk nr Croydon, Ut.	6	Apr-Sept	14.8	19.9	30
East Canyon Crk nr Morgan (5)	6	Apr-Sept	22.2	28.7	21
So. Fork Ogden nr Huntsville	30	Apr-Sept	67	70	43
Pineview Reservoir Inflow (6)	62	Mar-July	142	142	44

PROVO RIVER & UTAH LAKE

Strawberry Reservoir Inflow (7)	25	Apr-Sept	- -	56	45
Spanish Fork at Thistle	9	Apr-Sept	47	43	21
Payson Creek nr Payson	1.5	Apr-Sept	8.6	8.0*	19
Hobble Crk nr Springville	5	Apr-Sept	- -	23.7*	21
Provo nr Hailstone (8)	77	Apr-Sept	- -	116 *	66
Provo at Vivian Park (9)	100	Apr-Sept	- -	159	63
American Fork nr American Fork	22	Apr-Sept	- -	36	61
Utah Lake Inflow	120	Apr-Sept	299	317	38

JORDAN RIVER & SALT LAKE

Little Cottonwood Crk nr SLC	25	Apr-Sept	44	39	64
Big Cottonwood nr SLC	26	Apr-Sept	44	40	65
Parley's Crk nr SLC	4	Apr-Sept	11.9	14.7	27

(1) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Above Utah Power & Light Company's dam. (3) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (4) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (5) Observed flow plus change in storage in East Canyon Reservoir. (6) Inflow record as computed by U.S. Bureau of Reclamation. (7) Change in storage plus diversion thru Strawberry tunnel. (8) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (9) Observed flow plus change in Storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal, plus diversion thru Salt Lake Aqueduct.



UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
<u>SEVIER RIVER</u>					
Sevier at Hatch	10.5	Apr-June	48	35	30
	18.5	Apr-Sept	62	49	38
Sevier nr Circleville	14	Apr-Sept	54	43 *	33
Sevier nr Kingston	2.5	Apr-June	28.9	24.6	10
	4	Apr-Sept	30.9	29.7	13
East Fork Sevier nr Kingston(10)	3	Apr-June	19.8	17.2	17
	6.5	Apr-Sept	22.1	21.6	30
Sevier below Piute Dam(11)	12	Apr-Sept	- -	51	24
Clear Crk nr Sevier(abv.Div.)	5	Apr-June	14.5	15.9*	32
Inflow					
Kingston to Vermillion Dam	10	Apr-June	- -	47	21
Vermillion Dam to Gunnison	32	Mar-June	- -	63	51
Salina Crk at Salina (12)	0.5	Apr-June	- -	9.4*	5
Sevier nr Gunnison a	23	Apr-Sept	54	64	36
Chalk Creek nr Fillmore	10	Apr-Sept	- -	20.3*	49
<u>BEAVER RIVER</u>					
Beaver nr Beaver	7.5	Apr-June	19.9	22.3	34
	10	Apr-Sept	27.5	29.4	34
Rockyford Reservoir Inflow(13)	0.8	Apr-June	- -	9.2	9
<u>COAL CREEK</u>					
Coal Crk nr Cedar City	5.5	Apr-Sept	- -	16.6	33
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Henry's Fork at Linwood	13	Apr-Sept	- -	40	32
Ashley Crk nr Vernal	32	Apr-Sept	82	59	54
<u>DUCHESNE RIVER</u>					
Duchesne at Provo River					
(Trail nr Hanna)	28	Apr-Sept	- -	42*	67
Duchesne nr Tabiona(14)	78	Apr-Sept	158	124	63
Rock Crk nr Mtn. Home	65	Apr-Sept	131	109	60
Strawberry at Duchesne	24	Apr-Sept	94	79	30
Lakefork below Moon Lake(15)	48	Apr-Sept	100	78	62
Uinta nr Neola	61	Apr-Sept	- -	101	60
Whiterocks nr Whiterocks	38	Apr-Sept	91	67	57
Yellowstone nr Altonah	49	Apr-Sept	100	79*	62

(10) Observed flow plus change in storage in Otter Creek Reservoir. (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Gage is below diversions near Salina. (13) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir. (14) Observed flow plus diversion through Duchesne Tunnel. (15) Observed flow plus change in storage in Moon Lake Reservoir.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	FORECAST PERIOD	LAST YEAR	AVERAGE ^b	THIS YEAR AS PERCENT OF AVERAGE
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PRICE RIVER

Gooseberry Crk nr Scofield	7	Apr-Sept	16.8	12.6	56
Scofield Reservoir Inflow(16)	20	Apr-Sept	- -	40	50
Price nr Heiner(16)	28	Apr-Sept	96	70	40

SAN RAFAEL RIVER

Huntington Crk nr Huntington	31	Apr-Sept	72	59	52
Cottonwood Crk nr Orangeville	34	Apr-Sept	- -	59	58
Ferron Crk nr Ferron	28	Apr-Sept	60	43*	65

MUDDY RIVER

Muddy Creek nr Emery	14	Apr-Sept	- -	23.1*	61
Ivie Creek, abv. Div. nr Emery	1.1	Apr-Sept	- -	1.8*	61

VIRGIN RIVER

Virgin at Virgin	16.5	Apr-June	57	44	38
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UPPER COLORADO BASIN

Colorado nr Cisco, Utah	3400	Apr-Sept	5201	4059	84
Flaming Gorge Inflow(17)	895	Apr-Sept	- -	1471	61
Green at Green River, Utah(17)	1857	Apr-Sept	4392	3540	52
San Juan nr Bluff, Utah(18)	900	Apr-Sept	- -	1226	73
Colorado nr Grand Canyon(17-18)	5100	Apr-July	10888	8056	63
	6000	Apr-Sept	11727	9155	66

(16) Observed flow plus change in storage in Scofield Reservoir. (17) Observed flow plus change in storage in Flaming Gorge and Big Sandy Reservoirs. (18) Observed flow plus change in storage in Navajo Reservoir.

GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1943-57, 15 year period. *Partly estimated.



RESERVOIR STORAGE (1,000 Ac. Ft.)

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE ^a
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	761.4	524.3	815.6
	Woodruff Narrows	26.5	18.5	12.8	- -
<u>Little Bear</u>	Hyrum	15.3	12.6	10.7	10.7
	Porcupine	11.3	3.5	- -	- -
<u>Ogden</u>	Pineview	110.0	63.5	34.5	7.2
<u>Weber</u>	Rockport	60.9	33.6	18.4	- -
	Echo	73.9	37.5	24.8	28.5
	East Canyon	28.7	19.4	6.9	16.0
<u>Provo</u>	Deer Creek	149.7	120.9	61.5	82.3
<u>Spanish Fork</u>	Strawberry	270.0	52.6	20.1	134.3
<u>Utah Lake</u>	Utah Lake (b)	1149.0	277.5	257.8	614.2
<u>Sevier River</u>	Otter Creek	52.5	22.4	21.0	31.9
	Piute	74.0	28.9	29.6	46.4
	Sevier Bridge	236.1	57.8	56.5	150.4
<u>Beaver River</u>	Rocky Fork	23.3	8.6	8.2	15.3
COLORADO RIVER DRAINAGE					
<u>Lake Fork</u>	Moon Lake	35.8	15.9	24.2	13.9
<u>Price River</u>	Scofield	65.8	18.1	2.5	16.1
<u>Green</u>	Flaming Gorge	3789.0*	67.7	- -	- -
<u>San Juan</u>	Navajo	1709.0*	101.6	- -	- -
<u>Colorado</u>	Lake Powell	28040.0*	135.0	- -	- -

All data contained in this table supplied by the U.S. Geological Survey

* - Total capacity reported

COMPARISON of SNOW COVER

RIVER BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGE	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *

GREAT BASIN

Smith's Fork - Bear River(Wyo)	3	68	80
Strawberry-Mink Creeks(Ida)	3	35	22
Cub River (Ida)	1	38	38
Logan River	3	51	54
Blacksmith Fork-Little Bear	5	45	49
Malad River (Idaho)	2	28	26
Ogden River	4	41	44
Weber River above Echo Dam	8	49	54
Chalk Creek - Coalville	3	50	48
East Canyon Creek	3	50	50
Farmington Creek	2	35	42
Salt Lake Area	4	49	50
Tooele Area	1	19	18
American Fork River	3	39	40
Provo River above Vivian Park	6	50	55
Strawberry Reservoir Valley	3	44	48
Hobble Creek	2	28	32
Mt. Nebo Area	2	28	33
Sevier River above Panguitch	4	14	17
East Fork Sevier River	4	26	28
Clear Creek above Sevier	1	57	46
Salina Creek	2	65	68
San Pitch River	6	50	68
Chicken Creek - Levan	1	35	51
Chalk Creek - Fillmore	3	33	44
Beaver River	3	42	41
Parowan Creek	2	39	38
Coal Creek - Cedar City	3	17	22
Enterprise - New Harmony	2	8	9

COLORADO RIVER BASIN

Duchesne River above Tabiona	3	52	58
Strawberry River	4	35	44
Lakefork River	2	32	46
Whiterocks-Uintah Rivers	3	29	40
Ashley Creek	4	25	35
Price River	6	36	50
San Rafael Tributaries	4	52	68
Fremont River	4	24	33
Escalante River	2	30	35
Virgin River	4	8	10
LaSal Mtns. near Moab	2	67	62
Blue Mtns. nr Monticello	2	46	43

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Big Park	10G11	8700	3/3	50	14.1	23.5	17.2*
CCC Camp x	10G7	7500	2/28	28	7.8	11.7	10.4
Kelly Ranger Station	10G12	8200	3/3	40	11.9	- -	- -
Monte Cristo R. S.	11H12	8960	2/28	37	14.8	26.6	22.7*
Piney LaBarge x	10G10	8820	3/2	51	15.6	23.1	17.5*
Poison Meadows x	10G6	8500	2/28	69	21.0A	34.0A	25.2*
Salt River Summit x	10G8	7900	2/28	41	10.4	14.9	13.6*
Trial Lake x	10J8	9800	2/28	53	16.0	26.6	23.4*

LOWER BEAR RIVER (Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	2/28	13	3.9	11.9	11.6*
Christensen Ranch	11G11	5600	2/28	0	0.0	9.0	9.4*
Cub River R. S.	11G12	5400	2/26	0	0.0	8.2	8.9*
Dry Bread Pond x	11H13	8230	2/28	36	10.8	16.6	16.7*
Dry Creek Flat	12G4	6350	2/26	Trace		6.6	7.2*
Emigration Canyon	11G7	6500	2/28	16	6.7	10.7	- -
Emigrant Summit	11G6	7700	2/28	48	14.6	22.8	- -
Garden City Summit	11H7	7600	2/26	35	11.0	18.5	17.4*
Klondike Narrows	11H1	7400	2/27	35	10.5	18.6	16.7*
Little Bear(lower)	11H26	6100	2/25	0	0.0	10.2	8.0*
Little Bear(upper)	11H25	6850	2/25	5	1.6	12.5	10.2*
Monte Cristo R. S.	11H12	8960	2/28	37	14.8	26.6	22.7*
Oxford Mountain	12G3	6800	2/26	14	4.7	8.2	9.0*
Steep Hollow #1	11H27	8500	2/27	66	22.2	35.2	- -
Steep Hollow #2	11H28	7700	2/27	50	17.9	26.8	- -
Strawberry Creek	11G9	5800	2/28	5	1.2	12.0	11.4*
Strawberry Mink Divide	11G10	6800	2/28	20	6.8	21.2	19.8*
Tony Grove R. S.	11H3	6250	2/26	13	4.1	11.2	11.2*
Willow Flat	11G4	6100	2/27	10	5.5	14.6	14.6

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	2/28	13	3.9	11.9	11.6*
Ben Lomond Peak	11H8	8000	2/25	49	18.8	- -	28.5*
Ben Lomond(lower)	11H9	5850	2/25	5	1.6	14.8	12.3*
Ben Lomond Trail	11H30	6000	2/25	9	3.2	New Course	
Cutler Creek	11H29	6780	2/25	36	13.2	New Course	
Dry Bread Pond	11H13	8230	2/28	36	10.8	16.6	16.7*
Horse Ridge	11H21	8260	2/20	46	13.4	- -	- -
Monte Cristo R. S.	11H12	8960	2/28	37	14.8	26.6	22.7*
Sagebrush Flat	11H15	6300	2/28	0	0.0	3.6	5.0*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.



SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

WEBER RIVER

Beaver Creek R. S.	11J24	7500	2/28	14	4.8	10.0	8.4*
Chalk Creek #1	11J1	9100	2/25	47	15.3	20.7	20.8*
Chalk Creek #2	11J2	8000	2/25	25	7.2	12.3	13.2*
Chalk Creek #3	11J3	7500	2/25	4	1.0	6.3	6.9*
Farmington Canyon(lower)	11J12	6950	2/27	23	6.3	22.3	19.4*
Farmington Canyon(upper)	11J11	8000	2/28	39	11.8	27.7	22.5*
Horse Ridge	11H21	8260	2/20	46	13.4	- -	- -
Kilfore Creek	11H31	7300	2/20	25	7.2	New Course	
Lamb's Canyon x	11J14	6600	2/25	16	5.1	11.8	13.5*
Lost Creek Reservoir	11H32	6125	2/20	0	0.0	New Course	
Parley's Canyon Smt.	11J15	7500	2/27	32	9.1	15.0	15.7*
Redden Mine(lower)	11J6	8500	2/27	34	9.2	19.4	16.9*
Redden Mine(upper)	11J5	9000	2/27	37	10.4	22.4	17.9*
Silver Lake x	11J16	8725	2/27	42	11.6	25.5	21.4
Smith & Morehouse	11J4	7600	2/27	20	5.2	12.1	12.3*
Trial Lake x	10J8	9800	2/28	53	16.0	26.6	23.4*

PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	2/27	12	3.4	15.4	16.3
Clear Creek Ridge #1	11K21	9200	2/25	27	8.8	20.0	15.2*
Clear Creek Ridge #2	11K22	8000	2/25	17	4.2	15.3	12.0*
Clear Creek Ridge #3	11K23	6600	2/25	1	0.6	8.7	7.0*
Daniels-Strawberry Smt.	11J23	8000	2/26	22	5.6	16.8	13.9
Dutchman R. S.	11J17	7500	2/27	26	8.8	17.9	18.0*
East Portal	11J7	7560	2/27	15	4.6	11.9	11.0*
Hobble Creek Summit	11J22	7300	2/26	18	5.2	15.4	13.4*
Packard Canyon	11J31	6400	2/26	7	2.6	11.7	10.5*
Payson R. S.	11K1	8050	2/26	22	6.4	18.6	15.5*
Rock Bridge	11K2	6750	2/26	8	2.7	11.5	10.7*
Soapstone R. S.	11J25	7800	2/28	28	7.9	12.6	12.0*
South Fork R. S.	11J19	6100	2/27	1	0.4	2.6	7.3*
Strawberry Divide	11J8	8000	2/27	38	11.2	18.8	18.1*
Timpanogos Cave Camp	11J18	5500	2/27	0	0.0	1.8	4.0*
Timpanogos Divide	11J21	8140	2/27	32	12.2	26.6	24.5
Trial Lake	10J8	9800	2/28	53	16.0	26.6	23.4*

JORDAN RIVER & TOOELE VALLEY

Lamb's Canyon	11J14	6600	2/25	16	5.1	11.8	13.5*
Middle Canyon - Tooele	12J3	7000	2/26	6	2.0	10.5	11.3*
Mill D South Fork	11J10	7400	2/27	31	8.9	19.1	17.2*
Parley's Canyon Smt. x	11J15	7500	2/27	32	9.1	15.0	15.7*
Silver Lake	11J16	8725	2/27	42	11.6	25.5	21.4

(a) 1943-57, 15 year period. (b) Average of all past record. (z) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

UPPER SEVIER RIVER (South of Richfield, Utah)

Big Flat x	12L7	10290	2/21	34	8.4	14.8	15.8*
Box Creek	12L4	9800	2/25	22	4.9	10.8	12.0*
Bryce Canyon	12M8	8000	2/26	0	0.0	5.4	4.5*
Castle Valley	12M13	9700	2/28	15	4.0	15.7	12.0*
Cedar Breaks	12M1	10390	2/26	22	5.0	23.0	19.2*
Duck Creek R. S.	12M4	8560	2/26	1	0.2	19.6	13.5*
Fish Lake	11L3	8700	2/21	Trace		5.4	7.3*
Harris Flat R. S.	12M5	7700	2/26	0	0.0	12.3	9.0*
Kimberly Mine	12L6	8900	2/26	20	6.4	11.2	14.0*
Long Valley Jnct. x	12M6	7500	2/26	0	0.0	6.1	5.9*
Midway Valley	12M2	9800	2/26	23	5.2	26.1	20.1*
Panguitch Lake	12M7	8200	2/28	Trace		3.3	4.5*
Squaw Springs	12L5	9300	2/25	7	1.7	6.4	7.0*
Widtsoe-Escalante Smt.	11M1	9500	2/27	6	1.9	9.1	6.7*
Widtsoe-Escalante #2	11M2	9500	2/27	14	3.6	9.5	8.7*
Widtsoe-Escalante #3	11M3	9500	2/27	20	6.3	10.6	- -

LOWER SEVIER RIVER (Including San Pitch River)

Bear Canyon	12L3	7200	2/27	6	1.6	7.5	9.2*
Beaver Dams	11K13	8000	2/25	24	7.4	13.5	10.1*
Farnsworth Lake	11L1	9900	2/27	38	10.3	15.2	15.1*
G.B.R.C. Headquarters	11K11	8700	2/28	30	8.5	21.5	13.6*
G.B.R.C. Meadows	11K10	10000	2/28	49	15.0	26.9	21.0*
Gooseberry R. S.	11L2	8400	2/27	22	6.2	10.0	9.3*
Gooseberry Reservoir x	11K4	8700	2/26	29	10.2	23.3	16.2*
Mammoth R.S.-Ctnwood Crk.	11K3	8800	2/26	31	10.8	24.6	17.1*
Mt. Baldy R. S.	11K12	9500	2/25	46	14.2	24.0	19.5*
Pine Creek	12L1	8700	2/26	21	9.3	13.3	13.3*
Rees' Flat	11K36	7300	2/21	18	4.8	13.7	9.4*
Shingle Mill	12L11	6200	2/27	1	0.6	7.2	- -

BEAVER RIVER

Big Flat	12L7	10000	2/21	34	8.4	14.8	15.8*
Merchant's Valley	12L9	8200	2/21	8	1.7	9.8	9.0*
Otter Lake	12L8	9300	2/21	29	6.9	13.2	13.6*

PAROWAN CREEK

Ed Ward Flat	12M12	8300	2/25	8	2.1	7.4	7.7*
Yankee Reservoir	12M11	8700	2/25	18	4.8	9.6	9.8*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

COAL CREEK

Cedar Breaks	12M1	10390	2/26	22	5.0	23.0	19.2*
Midway Valley x	12M2	9800	2/26	23	5.2	26.1	20.1*
Urie Flat	12M10	8450	2/26	0	0.0	10.9	7.8*
Webster Flat	12M3	9200	2/26	9	2.2	21.0	15.6*

ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	3/1	0	0.0	3.6	- -
Long Flat	13M2	8000	2/27	4	1.0	6.4	5.7*

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	2/19	22	4.7	8.6	- -
Buck Pasture A	10J23	9700	2/28	36	7.5A	- -	- -
East Fk. Black's Fk. G.S.	10J21	9300	2/19	22	5.3	9.7	- -
Henry's Fork A	10J24	10200	2/28	27	5.9A	- -	- -
Hewinta Guard Station	10J4	9500	2/19	24	5.7	8.3	8.5*
Hickerson Park	9J8	9100	2/28	8	1.9	7.6	- -
Spirit Lake	9J7	10300	2/28	18	3.8	14.3	- -
Steel Creek Park	10J20	9900	2/20	31	6.5	- -	- -

BRUSH CREEK

Kings Cabin(lower)	9J2	8600	2/27	9	1.8	11.4	8.7*
Kings Cabin(upper)	9J1	8730	2/27	14	3.1	12.6	9.9*

DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	2/28	11	2.4A	20.5A	- -
Atwood Basin A	10J27	10250	2/28	11	2.5A	14.2A	- -
Chepeta-Whiterocks Lakes A	9J9	10300	2/28	11	2.3A	18.0A	- -
Daniels-Strawberry Smt. x	11J23	8000	2/26	22	5.6	16.8	13.9
East Portal x	11J7	7560	2/27	15	4.6	11.9	11.0*
Five Point Lake A	10J26	11000	2/28	36	9.0A	19.0A	- -
Indian Canyon	10K1	9100	2/26	22	5.9	15.4	10.7*
Julius Park	9J6	9800	2/26	20	5.0	17.0	- -
Lakefork Basin	10J25	11100	No Report			N.R.	- -
Lakefork Mountain	10J10	10500	2/25	18	4.4	14.2	10.9*
Lakefork Mountain #2	10J11	8900	2/25	15	4.0	12.2	7.6*
Lakefork Mountain #3	10J12	8100	2/25	12	3.2	10.7	6.4*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.



SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

DUCHESNE RIVER - Continued

Mosby Mountain	9J5	9500	2/26	19	4.9	13.9	10.2*
Paradise Park	9J3	10100	2/26	16	3.6	15.3	11.8*
Reynolds Park A	9J10	10400	No Report			New Marker	
Soapstone R.S. x	11J25	7800	2/28	28	7.9	12.6	12.0*
Strawberry Divide x	11J8	8000	2/27	38	11.2	18.8	18.1*
Trial Lake x	10J8	9800	2/28	53	16.0	26.6	23.4*
Windy Park A	9J12	9400	2/28	10	2.2A	16.0A	- -

PRICE RIVER

Corral	10K5	8200	2/28	5	1.5	14.1	8.0*
Dry Valley Divide	11K8	7800	2/26	8	3.4	14.6	10.7*
Gooseberry Reservoir	11K4	8700	2/26	29	10.2	23.3	16.2*
Grassy Trail Crk-Left Fk.	10K3	7970	2/28	11	1.7	14.6	9.0*
Indian Canyon x	10K1	9100	2/26	22	5.9	15.4	10.7*
Mammoth R.S.-Ctnwood Crk.x	11K3	8800	2/26	31	10.8	24.6	17.1*
Mud Creek #2	11K33	8300	2/26	20	5.6	16.5	11.5*
Jones Ranch	11K7	7600	2/26	0	0.0	11.3	7.0*
Timberline	10K6	9100	2/28	18	3.7	- -	- -
White River #1	10K2	8600	2/27	20	5.0	16.0	12.2*
White River #2	11K24	7600	2/27	10	3.0	12.6	8.8*
White River #3	11K25	7400	2/27	2	0.3	10.5	8.9*

SAN RAFAEL RIVER

Buck Flat	11K31	9400	2/25	32	10.6	17.2	13.5*
Gooseberry Reservoir	11K4	8700	2/26	29	10.2	23.3	16.2*
Mammoth R.S.-Ctnwood Crk.x	11K3	8800	2/26	31	10.8	24.6	17.1*
Red Pine Ridge	11K28	9400	2/26	30	8.6	19.8	15.3*
Rush Pond	11K38	9800	2/25	30	8.9	16.3	12.4*
Seely Creek R.S.	11K9	10000	2/28	29	9.8	17.3	13.0*
Upper Joe's Valley	11K29	8800	2/26	17	4.9	11.9	8.4*
Wrigley Creek	11K32	9000	2/25	19	5.5	13.5	9.1*

MUDDY RIVER

Mt. Baldy R.S. x	11K12	9500	2/25	46	14.2	24.0	19.5*
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FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	2/21	19	3.8	9.2	9.0*
Farnsworth Lake x	11L1	9900	2/27	38	10.3	15.2	15.1*
Fish Lake	11L3	8700	2/21	Trace		5.4	7.3*
Johnson Valley	11L6	8850	2/21	8	1.4	5.6	6.5*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.



SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^a

ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	2/27	6	1.9	9.1	6.7
Widtsoe-Escalante #2	11M2	9500	2/27	14	3.6	9.5	8.7*
Widtsoe-Escalante #3	11M3	9500	2/27	20	6.3	10.6	- -

VIRGIN RIVER

Cedar Breaks x	12M1	10390	2/26	22	5.0	23.0	19.2*
Duck Creek R.S.	12M4	8560	2/26	1	0.2	19.6	13.5*
Harris Flat R.S.	12M5	7700	2/26	0	0.0	12.3	9.0*
Long Valley Jct.	12M6	7500	2/26	0	0.0	6.1	5.9*
Midway Valley x	12M2	9800	2/26	23	5.2	26.1	20.1*
Webster Flat	12M3	9200	2/26	9	2.2	21.0	15.6*

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	2/20	21	5.4	12.4	13.3*
Camp Jackson	9M2	8600	2/20	21	5.4	11.0	12.0*
LaSal Mountain	9L1	8800	2/21	27	6.2	9.6	9.8*
LaSal Mountain(upper)	9L2	9600	2/21	40	9.7	14.0	16.0*

(a) 1943-57, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1943-57, 15 year average.



PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

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GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Chalk Creek #2 *	8000	2/25	3.65	2.57	8.00	13.57	59
Chalk Creek #3 *	7500	2/25	2.52	- -	6.77	- -	--
Monte Cristo #2	8960	2/28	6.97	- -	13.95	- -	--
Salt River Summit	7900	2/28	5.90	2.69	11.85	15.59	76
Trial Lake *	9800	2/28	7.77	3.69	16.02	19.84	81

LOWER BEAR RIVER (Below Harer, Idaho)

Dry Bread Pond	8230	2/28	7.36	3.06	13.65	18.56	74
Garden City Summit	7600	2/26	2.25	3.40	14.70	- -	--
Klondike Narrows	7400	2/27	11.05	3.50	19.05	- -	--
Little Bear(upper)	6850	2/25	- -	- -	12.37	17.78	70
Monte Cristo #2	8960	2/28	6.97	- -	13.95	- -	--
Tony Grove R.S.(SCS)	6250	2/26	3.32	- -	15.58	- -	--
Willow Flat	6100	2/26	8.60	2.82	15.20	20.32	75

OGDEN RIVER

Ben Lomond(lower)	5850	2/25	10.25	3.81	16.66	22.02	76
Ben Lomond Trail	6000	2/25	10.57	- -	17.00	- -	--
Causey Dam	5500	No Report		- -	- -	- -	--
Dry Bread Pond	8230	2/28	7.36	3.06	13.65	18.56	74
Horse Ridge	8260	2/20	- -	- -	14.25	- -	--
Monte Cristo #2 *	8960	2/28	6.97	- -	13.95	- -	--
Sagebrush Flat	6300	3/1	0.97	1.98	9.61	12.13	79

WEBER RIVER

Chalk Creek #2	8000	2/25	3.65	2.57	8.00	13.57	59
Chalk Creek #3	7500	2/25	2.52	- -	6.77	- -	--
Farmington Guard Sta.(1)	7500	2/28	3.40	3.80a	13.90	24.37a	57
Farmington Rice(1)	7000	2/27	2.61	3.69a	11.33	22.21a	51
Horse Ridge	8260	2/20	- -	- -	14.25	- -	--
Lost Creek Reservoir	6125	2/20	1.96	- -	6.11	- -	--
Parley's Canyon Smt.	7500	2/27	4.88	2.68	10.45	17.68	59
Silver Lake(Brighton)*(2)	8725	2/28	3.64	4.39a	14.60	23.96a	61
Smith & Morehouse	7600	2/27	1.15	2.74	10.87	14.74	74
Trial Lake *	9800	2/28	7.77	3.69	16.02	19.84	81

(1) Data supplied by U.S. Forest Service
* Adjacent Drainage

(2) Data supplied by U.S. Weather Bureau
a all values estimated except those
where symbol a occurs.



PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	2/25	0.60	2.23	9.20	13.13	70
Daniels-Strawberry Smt.	8000	2/26	1.02	2.50	12.29	13.60	90
Dutchman R. S.	7500	2/27	- -	- -	15.90	22.35	71
East Portal Ridge	7800	2/27	8.55	- -	11.95	- -	- -
Hobble Creek Smt.	7300	2/26	- -	- -	12.50	13.48	93
Payson R. S.	8050	2/26	3.27	2.31	9.17	14.81	62
Soapstone R. S.	7800	2/28	0.85	1.99	10.62	14.09	75
Strawberry Res.-East Portal	7606	2/27	4.80	1.09	7.21	7.74	93
Timpanogos Divide	8200	2/27	5.60	4.17a	14.62	23.04a	63
Trial Lake	9800	2/28	7.77	3.69	16.02	19.84	81

JORDAN RIVER & TOOELE VALLEY

Middle Cany	7000	2/26	1.28	1.93	7.41	13.43	55
Mt. Dell Dam(2)	5500	2/28	1.68	1.82a	6.86	10.97a	63
Parley's Canyon Smt.	7500	2/27	4.88	2.68	10.45	17.68	59
Silver Lake(Brighton)(2)	8725	2/28	3.64	4.39a	14.60	23.96a	61

SEVIER RIVER ABOVE RICHFIELD

Big Flat *	10290	2/21	5.60	3.47	9.37	13.47	70
Box Creek	9800	2/25	- -	- -	6.30	11.43	55
Castle Valley	9700	2/28	- -	- -	6.55	10.39	63
Cedar Breaks	10390	2/26	- -	- -	7.90	- -	- -
Duck Creek R.S.	8560	2/26	1.15	4.45	7.20	15.20	47
Panguitch Lake	8200	2/28	- -	- -	3.83	7.41	52
Webster Flat *	9200	2/26	2.70	4.40	8.24	15.60	53
Widtsoe-Escalante #3	9500	2/27	2.92	1.66	6.10	9.89	62
Widtsoe R. S.	7600	2/27	0.75	0.59a	2.27	4.14a	55

SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	2/25	- -	- -	7.97	12.56	63
Farnsworth Lake	9900	2/27	1.79	3.85	11.08	15.35	72
Fish Lake	8700	2/21	- -	0.65	3.85	5.11	75
G.B.R.C. Headquarters(1)	8700	2/28	3.43	2.79a	9.96	14.55a	68
G.B.R.C. Meadows(1)	10000	2/28	6.15	2.84a	14.29	15.14a	94
G.B.R.C. Oaks(1)	7655	2/28	2.62	1.89a	7.26	10.13a	72
Gooseberry R. S. (1)	7800	2/27	1.25	1.45	7.89	9.55	83
Gooseberry Reservoir *	8700	2/26	1.45	2.62	11.05	14.22	78
Kimberly Mine	8900	2/26	1.30	- -	7.20	14.70	49
Mammoth R. S. #2 *	8600	2/26	1.30	2.60	10.75	14.15	76
Mt. Baldy	9500	2/25	- -	- -	11.43	- -	- -
Pine Creek	8700	2/26	- -	- -	10.04	19.70	51
Shingle Mill	6200	2/27	2.90	- -	6.68	- -	- -

(1) Data supplied by U.S.Forest Service

* Adjacent Drainage

(2) Data supplied by U.S.Weather Bureau

a All values estimated except those
where symbol a occurs.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

a

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BEAVER RIVER

Beaver Canyon P.H. (2)	7275	2/28	1.25	1.78a	3.47	8.26a	42
Big Flat	10290	2/21	5.60	3.47	9.37	13.47	70

PAROWAN CREEK

Yankee Reservoir	8700	2/25	- -	- -	4.75	8.70	55
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COAL CREEK

Cedar Breaks	10390	2/26	- -	- -	7.90	- -	- -
Webster Flat *	9200	2/26	2.70	4.40	8.24	15.60	53

ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	6100	3/1	- -	- -	3.43	12.41	28
Long Flat	8000	2/27	- -	- -	5.85	10.25	57

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)

Black's Fork Jct.	8925	2/19	- -	- -	6.60	- -	- -
E.F. Black's Fk. G.S.	9300	2/19	- -	- -	6.67	- -	- -
Hewinta G. S.	9500	2/19	- -	- -	7.41	- -	- -
Spirit Lake	10300	2/28	- -	- -	5.89	- -	- -

BRUSH CREEK

King's Cabin(upper)	8730	2/27	- -	- -	5.50	10.16	54
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DUCHESNE RIVER

Daniels-Strawberry Smt. *	8000	2/26	1.02	2.50	12.29	13.60	90
East Portal Ridge *	7800	2/27	8.55	- -	11.95	- -	- -
Indian Canyon	9100	2/26	0.10	- -	7.60	- -	- -
Julius Park	9800	2/26	0.21	2.43	7.41	12.93	57
Lakefork Mountain	10500	2/25	3.95	1.81	7.04	11.66	60
Moon Lake	8150	2/28	2.65	1.01a	4.70	7.72a	61
Paradise Park	10100	2/26	0.20	2.60	7.19	13.60	53
Soapstone R. S. *	7800	2/28	0.85	1.99	10.62	14.09	75
Strawberry Res.-E. Portal*	7606	2/27	4.80	1.09	7.21	7.74	93
Trial Lake *	9800	2/28	7.77	3.69	16.02	19.84	81

(1) Data supplied by U.S.Forest Service

* Adjacent Drainage

(2) Data supplied by U.S.Weather Bureau

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where symbol a occurs



PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1943-57 AVERAGE	THIS YEAR	1943-57 AVERAGE	PERCENT OF AVERAGE

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a

PRICE RIVER

Clear Creek Ridge #2 *	8000	2/25	0.60	2.23	9.20	13.13	70
Gooseberry Reservoir	8700	2/26	1.45	2.62	11.05	14.22	78
Indian Canyon	9100	2/26	0.10	- -	7.60	- -	--
Mammoth R. S. #2	8600	2/26	1.30	2.60	10.75	14.15	76
Mud Creek	8300	2/26	1.05	2.24	8.79	12.49	70
White River #1	8600	2/27	- -	- -	7.65	13.11	58

SAN RAFAEL RIVER

Buck Flat	9400	2/25	1.00	2.30	12.61	13.30	95
G.B.R.C. Meadows *(1)	10000	2/28	6.15	2.84a	14.29	15.14a	94
Gooseberry Reservoir *	8700	2/26	1.45	2.62	11.05	14.22	78
Red Pine Ridge	9400	2/26	5.87	2.75	10.33	14.10	73
Stuart R. S.	7950	2/27	3.75	- -	8.12	- -	--

MUDDY RIVER

Mt. Baldy R.S. *	9500	2/25	- -	- -	11.43	- -	--
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FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	2/21	- -	- -	5.60	7.80	72
Farnsworth Lake *	9900	2/27	1.79	3.85	11.08	15.35	72
Fish Lake	8700	2/21	- -	0.65	3.85	5.11	75
Widtsoe-Escalante #3	9500	2/27	2.92	1.66	6.10	9.89	62

VIRGIN RIVER

Duck Creek R.S.	8560	2/26	1.15	4.45	7.20	15.20	47
Webster Flat	9200	2/26	2.70	4.40	8.24	15.60	53

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	2/20	- -	- -	9.00	13.32	68
Camp Jackson	8600	2/20	- -	- -	7.55	10.92	69
LaSal Mountain(upper)	9600	2/21:	- -	- -	9.48	19.75	48

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Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

U. S. Department of Agriculture
Soil Conservation Service
Forest Service
U. S. Department of Commerce
Weather Bureau
U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Little Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioner
Spanish Fork River Commissioner
Utah Water and Power Board

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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*"The Conservation of Water begins
with the Snow Survey"*

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